

ABSTRACT

The present invention is directed to a method and system for connecting a client to a database managed by a network of computer systems having a plurality of database management system (DBMS) members. The method and system includes providing a shared network address for the plurality of DBMS members, which is used by the client to connect to an active DBMS member of the plurality of DBMS members.

Through the aspects of the present invention, the shared network address allows the client to connect, via a network router, to any one of the plurality of DBMS members so long as one member is active. Once the client is connected to one member, the member sends to the client a list of all active members and their respective workloads. The list also includes member-specific network addresses corresponding to each member so that the client can distribute work evenly across the active members and also perform a resynchronization process with a DBMS member after a first connection with the DBMS member has been interrupted.